INDEX

Alfredsson, P. H. *See* Johansson & Alfredsson

Ayukawa, K. *See* Takabatake & Ayukawa

Bhatia, J. C., Durst, F. & Jovanovic, J. Corrections of hot-wire anemometer measurements near walls, 411–431

Bradshaw, P. *See* Murlis, Tsai and Bradshaw; Wood and Bradshaw

Carnevale, G. F. Statistical features of the evolution of two-dimensional turbulence, 143–153

Collins, R. Cloud patterns around a bubble growing in a gas-fluidized bed, 155–167

Comte-Bellot, G. *See* Sunyach, Juvé & Comte-Bellot

Conlisk, A. T. & Walker, J. D. A. Forced convection in a rapidly rotating annulus, 91–108

Dagan, Z., Pfeffer, R. & Weinbaum, S. Axisymmetric stagnation flow of a spherical particle near a finite planar surface at zero Reynolds number, 273–294

Didwania, A. K. & Homsy, G. M. Resonant sideband instabilities in wave propagation in fluidized beds, 433–438

Duck, P. W. Oscillatory flow inside a square cavity, 215–234

Durst, F. *See* Bhatia, Durst & Jovanovic

Eckelmann, H. *See* Gerich & Eckelmann

El-Henawy, I., Hassard, B., Gebhart, B. & Mollendorf, J. Numerically computed multiple steady states of vertical buoyancy-induced flows in cold pure water, 235–250

Gebhart, B. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Gerich, D. & Eckelmann, H. Influence of end plates and free ends on the shedding frequency of circular cylinders, 109–121

Hassard, B. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Hayakawa, K. & Squire, L. C. The effect of the upstream boundary-layer state on the shock interaction at a compression corner, 369–394

Homsy, G. M. *See* Didwania & Homsy

Hunt, J. R. Self-similar particle-size distributions during coagulation: theory and experimental verification, 169–185

Jain, S. C. Buoyancy-driven circulation in free-surface channels, 1–12

Johansson, A. V. & Alfredsson, P. H. On the structure of turbulent channel flow, 295–314

Johnson, M. *See* Weidman & Johnson

Jovanovic, J. *See* Bhatia, Durst & Jovanovic

Juvé, D. *See* Sunyach, Juvé & Comte-Bellot

Kida, S. Stabilizing effects of finite core on Kármán vortex street, 487–504

Ko, D. R. S. *See* Liu, Pereira & Ko

Liu, A. K., Pereira, N. R. & Ko, D. R. S. Weakly interacting internal solitary waves in neighbouring pycnoclines, 187–194

McLaughlin, J. B. & Orszag, S. A. Transition from periodic to chaotic thermal convection, 123–142

Miles, J. W. On surface-wave radiation from a submerged cylindrical duct, 339–346

Mollendorf, J. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Murlis, J., Tsai, H. M. & Bradshaw, P. The structure of turbulent boundary layers at low Reynolds numbers, 13–56

Orszag, S. A. *See* McLaughlin & Orszag

Pereira, N. R. *See* Liu, Pereira & Ko

Pfeffer, R. *See* Dagan, Pfeffer & Weinbaum

Rhines, P. B. & Young, W. R. Homogenization of potential vorticity in planetary gyres, 347–367

INDEX

Alfredsson, P. H. *See* Johansson & Alfredsson

Ayukawa, K. *See* Takabatake & Ayukawa

Bhatia, J. C., Durst, F. & Jovanovic, J. Corrections of hot-wire anemometer measurements near walls, 411–431

Bradshaw, P. *See* Murlis, Tsai and Bradshaw; Wood and Bradshaw

Carnevale, G. F. Statistical features of the evolution of two-dimensional turbulence, 143–153

Collins, R. Cloud patterns around a bubble growing in a gas-fluidized bed, 155–167

Comte-Bellot, G. *See* Sunyach, Juvé & Comte-Bellot

Conlisk, A. T. & Walker, J. D. A. Forced convection in a rapidly rotating annulus, 91–108

Dagan, Z., Pfeffer, R. & Weinbaum, S. Axisymmetric stagnation flow of a spherical particle near a finite planar surface at zero Reynolds number, 273–294

Didwania, A. K. & Homsy, G. M. Resonant sideband instabilities in wave propagation in fluidized beds, 433–438

Duck, P. W. Oscillatory flow inside a square cavity, 215–234

Durst, F. *See* Bhatia, Durst & Jovanovic

Eckelmann, H. *See* Gerich & Eckelmann

El-Henawy, I., Hassard, B., Gebhart, B. & Mollendorf, J. Numerically computed multiple steady states of vertical buoyancy-induced flows in cold pure water, 235–250

Gebhart, B. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Gerich, D. & Eckelmann, H. Influence of end plates and free ends on the shedding frequency of circular cylinders, 109–121

Hassard, B. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Hayakawa, K. & Squire, L. C. The effect of the upstream boundary-layer state on the shock interaction at a compression corner, 369–394

Homsy, G. M. *See* Didwania & Homsy

Hunt, J. R. Self-similar particle-size distributions during coagulation: theory and experimental verification, 169–185

Jain, S. C. Buoyancy-driven circulation in free-surface channels, 1–12

Johansson, A. V. & Alfredsson, P. H. On the structure of turbulent channel flow, 295–314

Johnson, M. *See* Weidman & Johnson

Jovanovic, J. *See* Bhatia, Durst & Jovanovic

Juvé, D. *See* Sunyach, Juvé & Comte-Bellot

Kida, S. Stabilizing effects of finite core on Kármán vortex street, 487–504

Ko, D. R. S. *See* Liu, Pereira & Ko

Liu, A. K., Pereira, N. R. & Ko, D. R. S. Weakly interacting internal solitary waves in neighbouring pycnoclines, 187–194

McLaughlin, J. B. & Orszag, S. A. Transition from periodic to chaotic thermal convection, 123–142

Miles, J. W. On surface-wave radiation from a submerged cylindrical duct, 339–346

Mollendorf, J. *See* El-Henawy, Hassard, Gebhart & Mollendorf

Murlis, J., Tsai, H. M. & Bradshaw, P. The structure of turbulent boundary layers at low Reynolds numbers, 13–56

Orszag, S. A. *See* McLaughlin & Orszag

Pereira, N. R. *See* Liu, Pereira & Ko

Pfeffer, R. *See* Dagan, Pfeffer & Weinbaum

Rhines, P. B. & Young, W. R. Homogenization of potential vorticity in planetary gyres, 347–367

Rosenblat, S. Thermal convection in a vertical circular cylinder, 395–410

Saffman, P. G. & Schatzman, J. C. An inviscid model for the vortex-street wake, 467–486

Schatzman, J. C. *See* Saffman & Schatzman

Speziale, C. G. Numerical study of viscous flow in rotating rectangular ducts, 251–271

Squire, L. C. *See* Hayakawa & Squire

Sunyach, M., Juvé, D. & Comte-Bellot, G. Acoustics of turbulent flow: a report on Euromech 142, 511–530

Takabatake, S. & Ayukawa, K. Numerical study of two-dimensional peristaltic flows, 439–465

Talbot, L. & Wong, S. J. A note on boundary-layer collision in a curved pipe, 505–510

Trinh, E. & Wang, T. G. Large-amplitude free and driven drop-shape oscillations: experimental observations, 315–338

Tsai, H. M. *See* Murlis, Tsai and Bradshaw

Walker, J. D. A. *See* Conlisk and Walker

Wang, T. G. *See* Trinh & Wang

Weidman, P. D. & Johnson, M. Experiments on leapfrogging internal solitary waves, 195–213

Weinbaum, S. *See* Dagan, Pfeffer & Weinbaum

Wong, S. J. *See* Talbot & Wong

Wood, D. H. & Bradshaw, P. A turbulent mixing layer constrained by a solid surface. Part 1. Measurements before reaching the surface, 57–89

Young, W. R. *See* Rhines & Young

REVIEW

Non-Equilibrium Thermodynamics and its Statistical Foundations, by H. J. Kreuzer, 531–532